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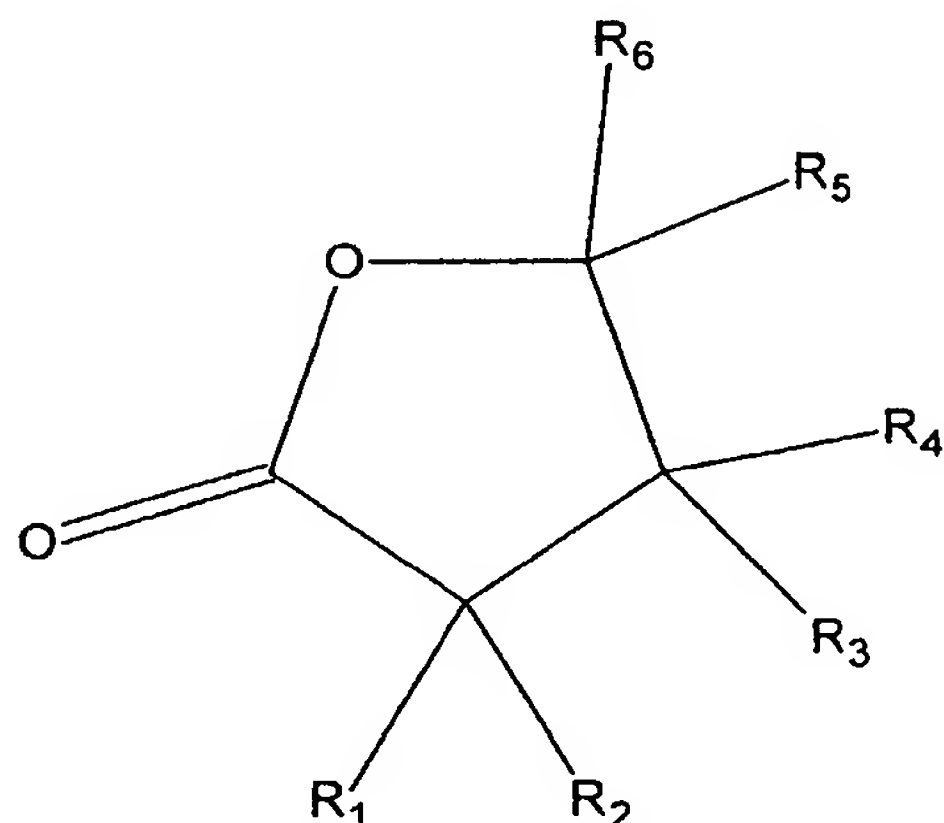
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(54) Title: A PROCESS FOR THE LIQUEFACTION OF LIGNOCELLULOSIC MATERIAL



(1)

(57) **Abstract:** A process for the liquefaction of lignocellulosic or
cellulosic material, wherein solid lignocellulosic or cellulosic mate-
rial is heated at a temperature in the range of from 100 to 300 °C
in the presence of an acid catalyst and a solvent, wherein the sol-
vent-to-solid material weight ratio is at most 50, the acid catalyst is
present in a concentration of at most 50% by weight of acid based
on the weight of solvent and acid, and the solvent comprises a com-
pound having a gamma lactone group of the general molecular for-
mula (1) wherein R₁ to R₆ each represent, independently, a hydrogen
atom or an organic group connected with a carbon atom to the lac-
tone group or the solvent comprises furfural, levulinic acid or a com-
pound obtainable from furfural or levulinic acid by hydrogenation,
dehydration, aldolcondensation, dimerisation or oligomerisation, es-
terification with an alcohol, or a combination of two or more of these
reactions.